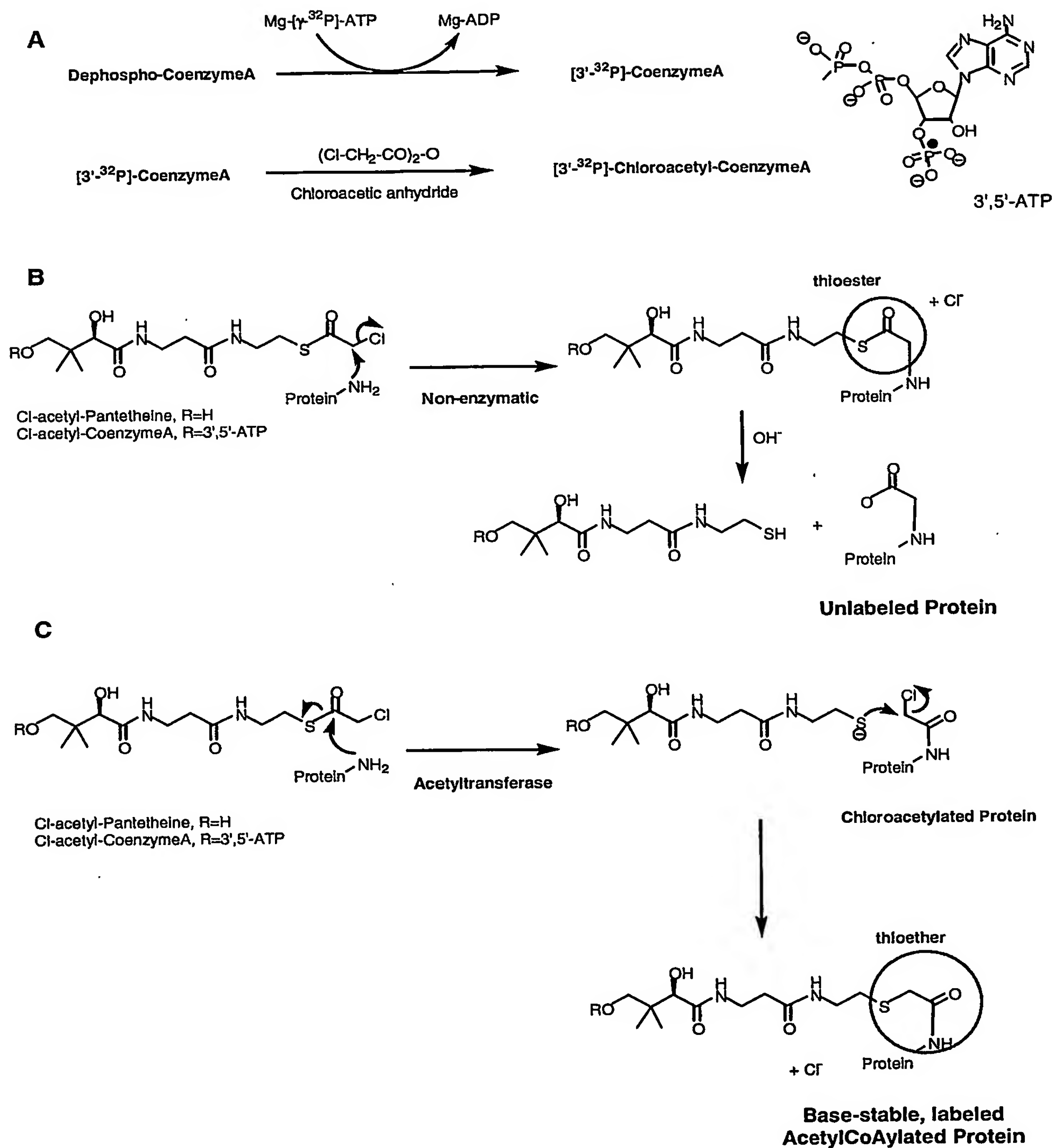


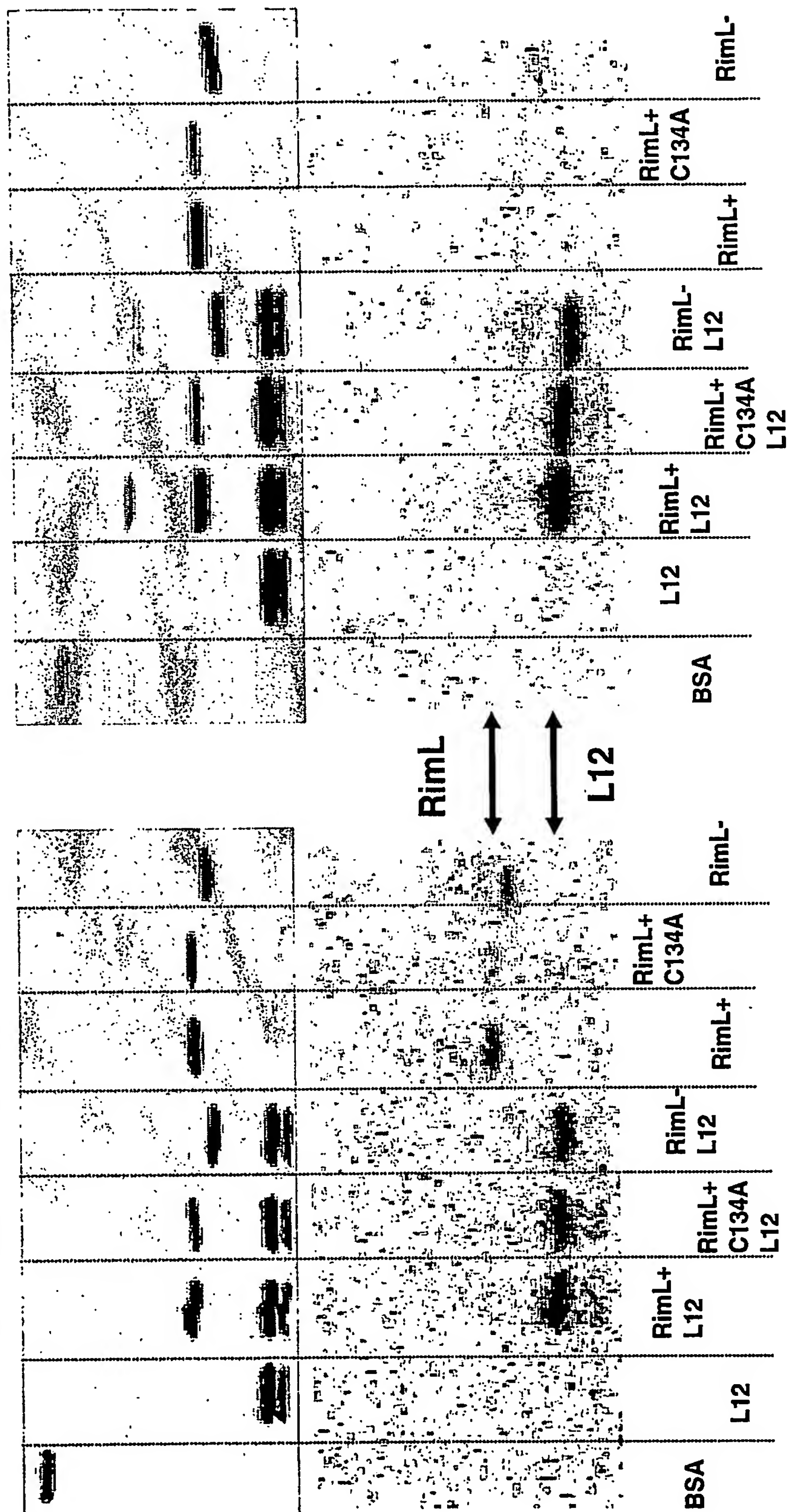
1/7  
FIG. 1



# Labeling of L12 by RimL & [<sup>32</sup>P]-ClAcCoA

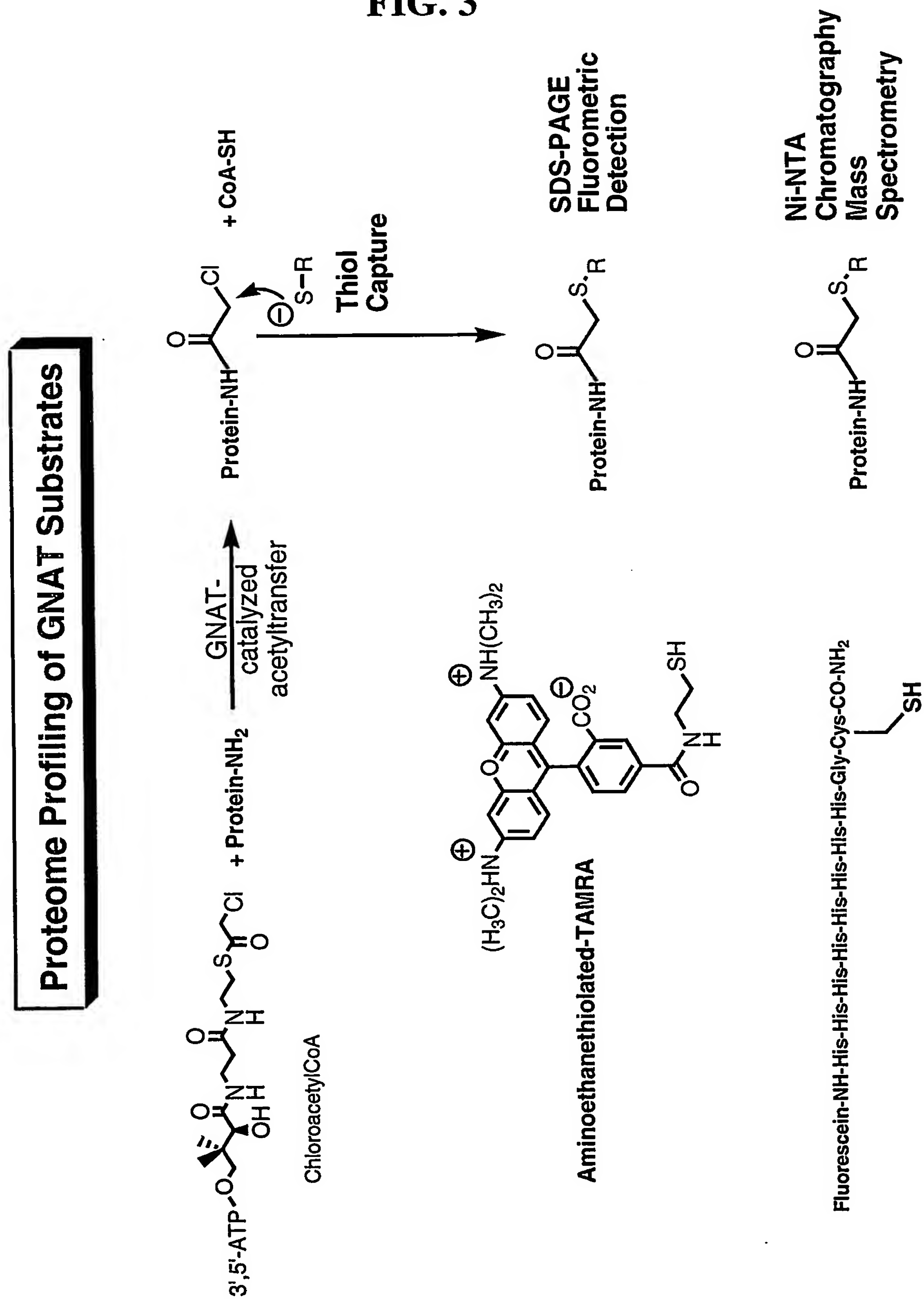
## No Base Treatment

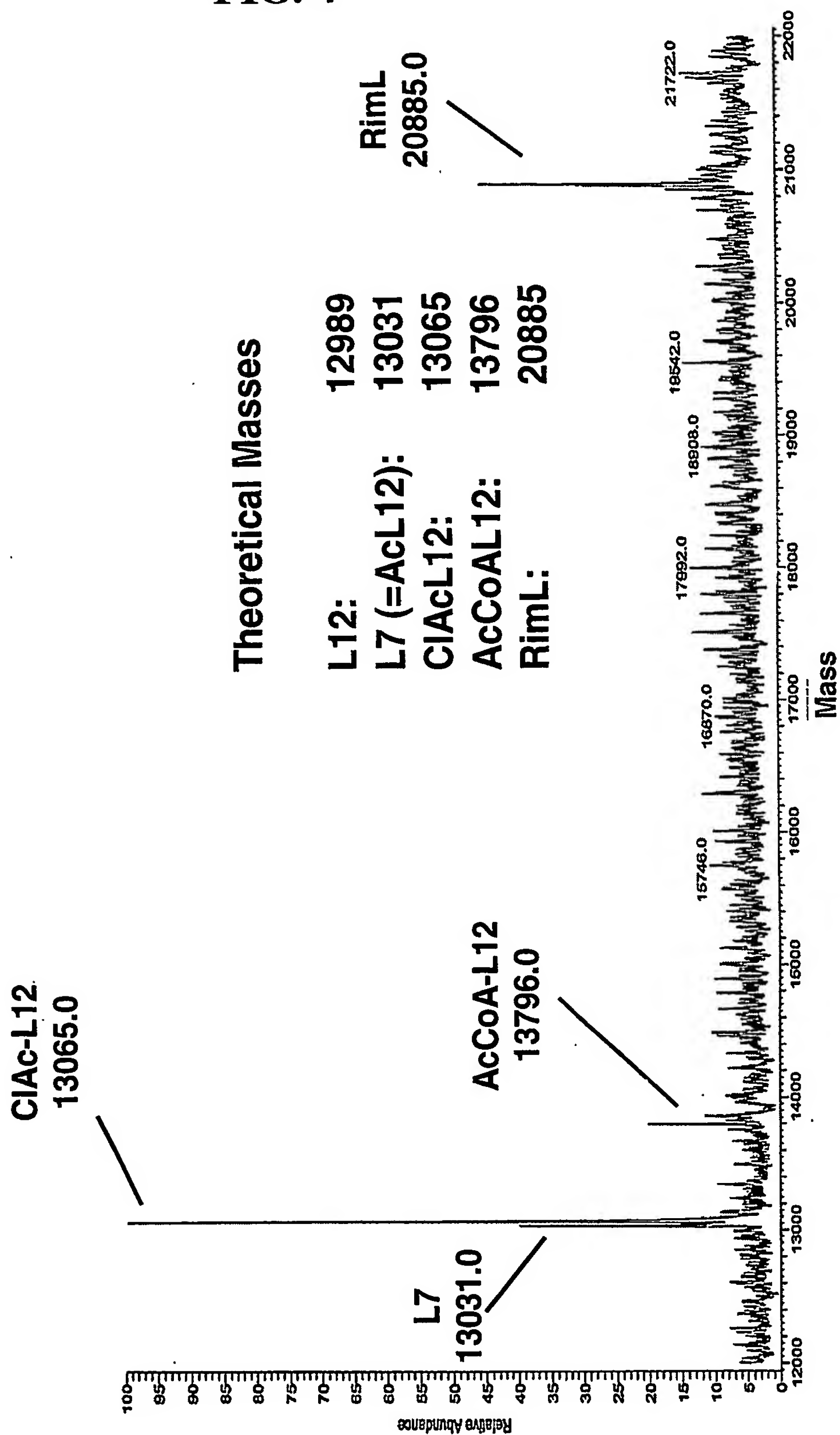
## 2 Minute Base Treatment



**2/7**  
**FIG. 2**

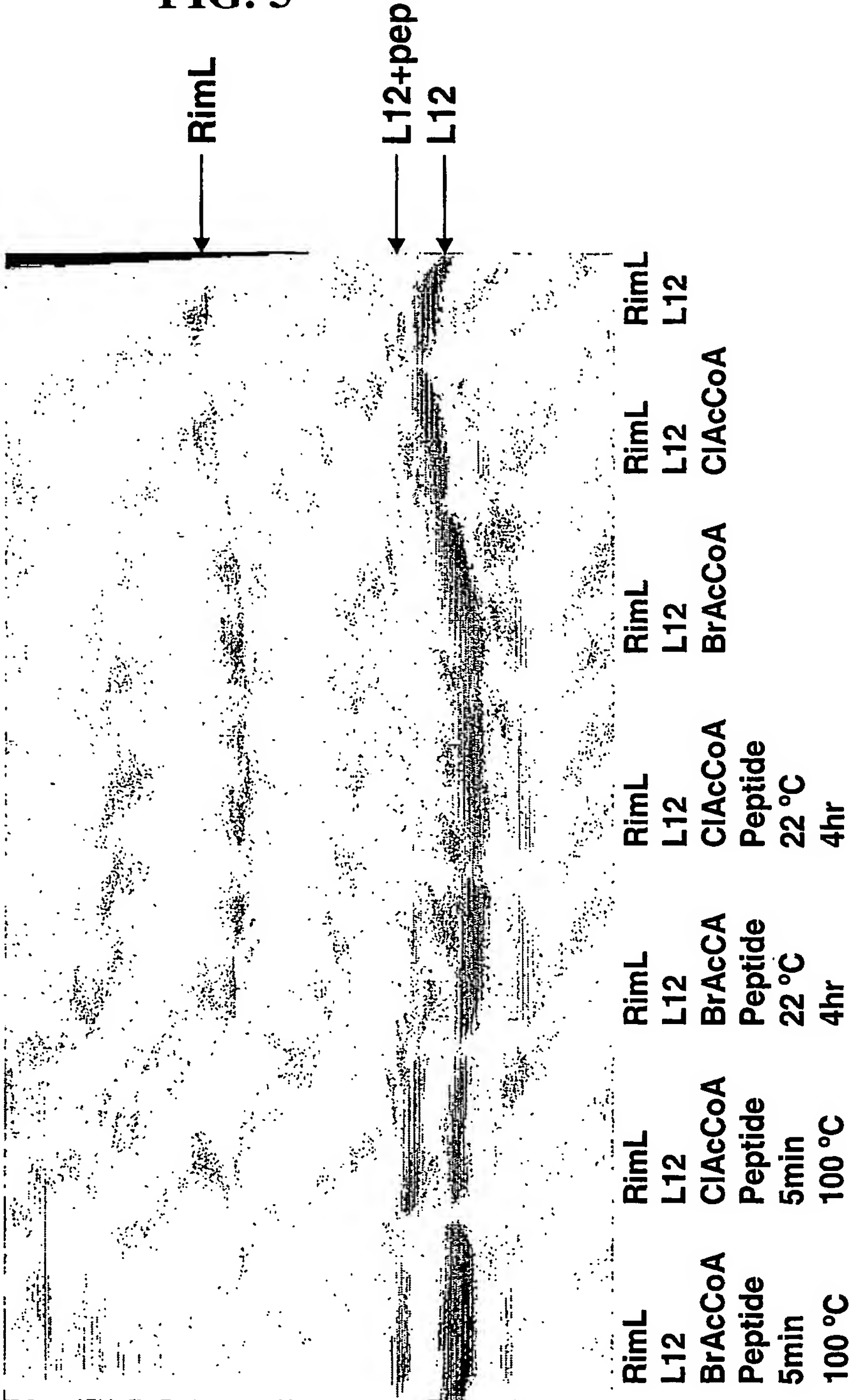
3/7  
FIG. 3



4/7  
FIG. 4**Mass Spectrometry of RimL-catalyzed AcetylCoAylation of L12**

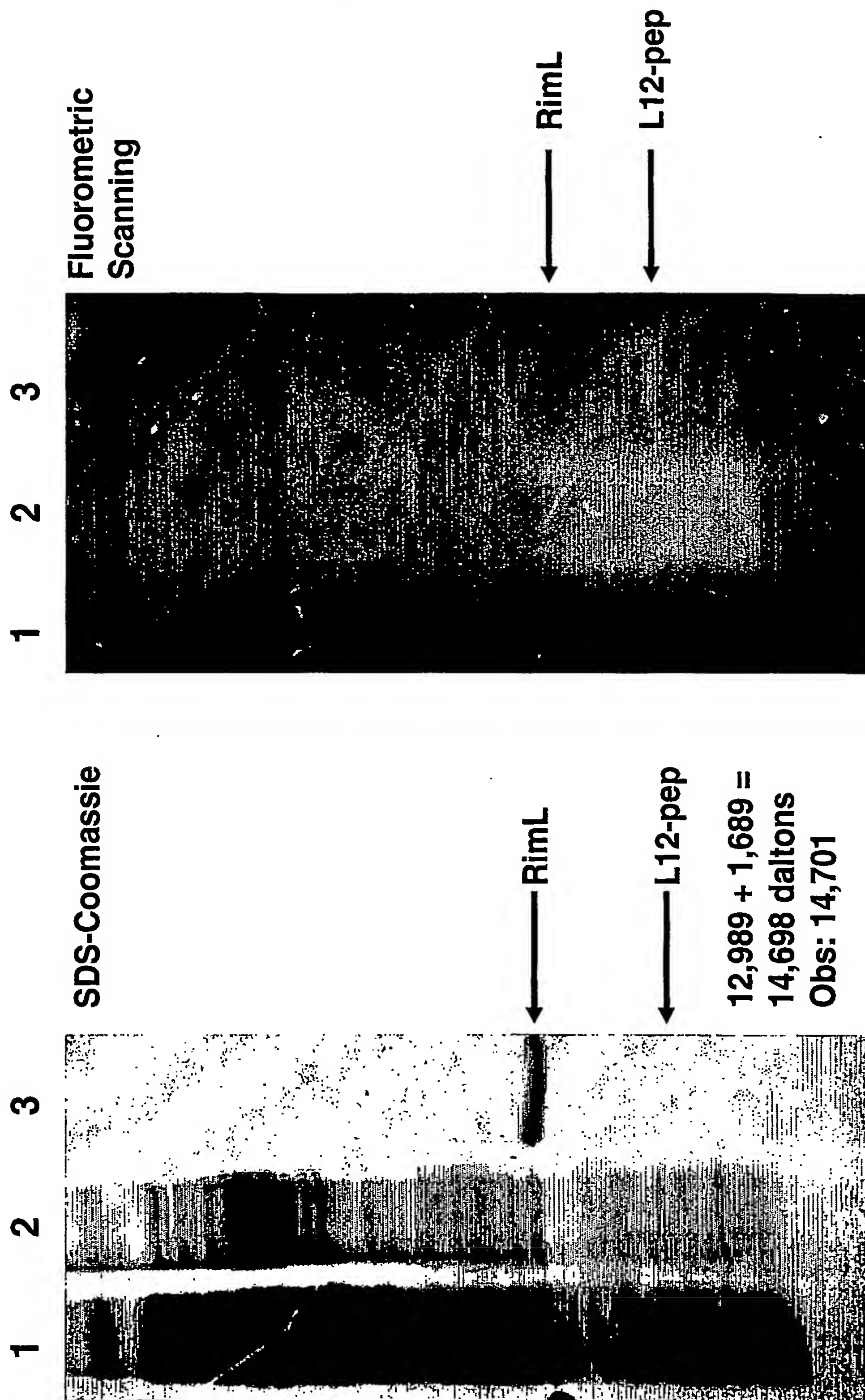
**Affinity Labeling of Acetyltransferase Substrates**

<u>Cl-acetylation or Br-acetylation</u>	<u>Thiol capture peptide</u>
50mM Tris, pH 7.5	100mM Tris, pH 8.5
RimL 2uM	1mM thiol peptide (HHHHHHGGC)
L12 40 uM	Different temperatures
CIACoA, BrAcCoA 250 uM	
37°C for 1hr	



# Labeling of L12 in Crude Cell Extracts

1: Crude cell lysate 2: Lysate + RimL + CIACoA + FI-His8-Cys 3: 2 after Ni-NTA





Chloroacetylation of histones by Hat1 Acetyltransferase

